

LISTING OF CLAIMS:

The following listing of claims replaces all previous versions, and listings of claims in the present application.

1.- 5. (Canceled)

6. (Currently amended) A hologram screen ~~as claimed in claim 4,~~ for displaying an image by diffracting and scattering image light projected from an image projection apparatus, comprising:

an upward/downward light scattering device placed on an image projection apparatus side of a hologram device in the hologram screen, and oriented so as to scatter light incident from at least one upward/downward specific angle range spreading obliquely upward or obliquely downward; and

a leftward/rightward light scattering device placed between the hologram device and the upward/downward light scattering device or on the image projection apparatus side of the upward/downward light scattering device, and oriented so as to scatter light incident from a leftward/rightward specific angle range spreading obliquely leftward and obliquely rightward, wherein

the upward/downward specific angle range contains an incidence angle at which the image light is incident on the hologram screen

wherein when the leftward/rightward specific angle range is from γ_1 to γ_2 leftward and from δ_1 to δ_2 rightward relative to a normal to the hologram screen, γ_1 , γ_2 , δ_1 , and δ_2 satisfy

$$20^\circ \leq \gamma_1 \leq 25^\circ, \quad 65^\circ \leq \gamma_2 \leq 70^\circ$$

$$20^\circ \leq \delta_1 \leq 25^\circ, \quad 65^\circ \leq \delta_2 \leq 70^\circ.$$

7. (Currently amended) A hologram screen as claimed in claim 4 6, wherein the upward/downward light scattering device and the leftward/rightward light scattering device scatter at least 20% of the light incident within the upward/downward specific angle range and the leftward/rightward specific angle range, respectively.

8. (Currently amended) A hologram screen as claimed in claim 4 6, wherein the upward/downward light scattering device and the leftward/rightward light scattering device are both placed within 5 mm of the hologram device.

9. (Currently amended) A hologram screen as claimed in claim 4 6, wherein the upward/downward light scattering device and the leftward/rightward light scattering, device are detachable.

10. – 17. (Withdrawn)

18. (Canceled)

19. (Canceled)

20. A hologram screen ~~as claimed in claim 18~~, for displaying an image by diffracting and scattering image light projected from an image projection apparatus, comprising:

an upward/downward light scattering device placed on an image projection apparatus side of a hologram device in the hologram screen, and oriented so as to scatter light

incident from at least one upward/downward specific angle range spreading obliquely upward or obliquely downward; and

a leftward/rightward light scattering device placed on an image observer side of the hologram device, and oriented so as to scatter light incident from a leftward/rightward specific angle range spreading obliquely leftward and obliquely rightward, wherein the upward/downward specific angle range contains an incidence angle at which the image light is incident on the hologram device

wherein when the leftward/rightward specific angle range is from γ_1 to γ_2 leftward and from δ_1 to δ_2 rightward relative to a normal to the hologram screen, γ_1 , γ_2 , δ_1 , and δ_2 satisfy

$$20^\circ \leq \gamma_1 \leq 25^\circ, \quad 65^\circ \leq \gamma_2 \leq 70^\circ$$

$$20^\circ \leq \delta_1 \leq 25^\circ, \quad 65^\circ \leq \delta_2 \leq 70^\circ.$$

21. (Currently amended) A hologram screen as claimed in claim 18 ~~19~~ 20, wherein the upward/downward light scattering device and the leftward/rightward light scattering device scatter at least 20% of the light incident within the upward/downward specific angle range and the leftward/rightward specific angle range, respectively.

22. (Currently amended) A hologram screen as claimed in claim 18 ~~19~~ 20, wherein the upward/downward light scattering device and the leftward/rightward light scattering device are both placed within 5 mm of the hologram device.

23. (Currently amended) A hologram screen as claimed in claim 18 20, wherein the upward/downward light scattering device and the leftward/rightward light scattering device are detachable.

24. – 30. (Withdrawn)

31. (Currently amended) A hologram display comprising:

- a hologram screen for displaying an image by diffracting and scattering image light; and
- a projection apparatus for projecting the image light onto the hologram screen, wherein

the hologram screen comprises:

- an upward/downward light scattering device placed on an image projection apparatus side of a hologram device in the hologram screen, and oriented so as to scatter light incident from at least one upward/downward specific angle range spreading obliquely upward or obliquely downward; and
- a leftward/rightward light scattering device placed on an image observer side of the hologram device, and oriented so as to scatter light incident from a leftward/rightward specific angle range spreading obliquely leftward and obliquely rightward, wherein

the upward/downward specific angle range contains an incidence angle at which the image light is incident on the hologram device, and

the when the leftward/rightward specific angle range is from γ_1 to γ_2 leftward and from δ_1 to δ_2 rightward relative to a normal to the hologram screen, γ_1 , γ_2 , δ_1 , and δ_2 satisfy

$$\underline{20^\circ \leq \gamma_1 \leq 25^\circ, 65^\circ \leq \gamma_2 \leq 70^\circ}$$

$$\underline{20^\circ \leq \delta_1 \leq 25^\circ, 65^\circ \leq \delta_2 \leq 70^\circ}.$$